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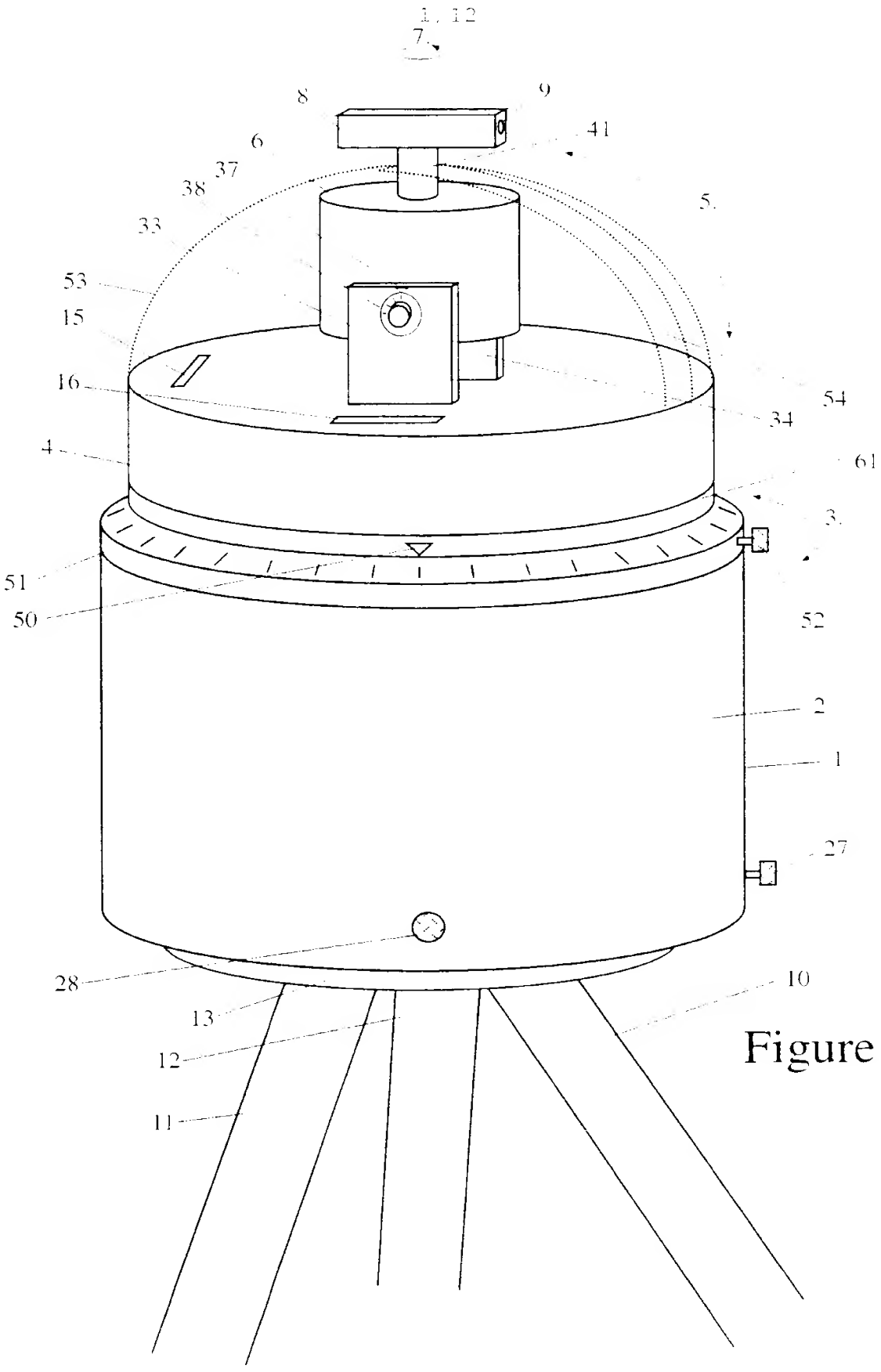
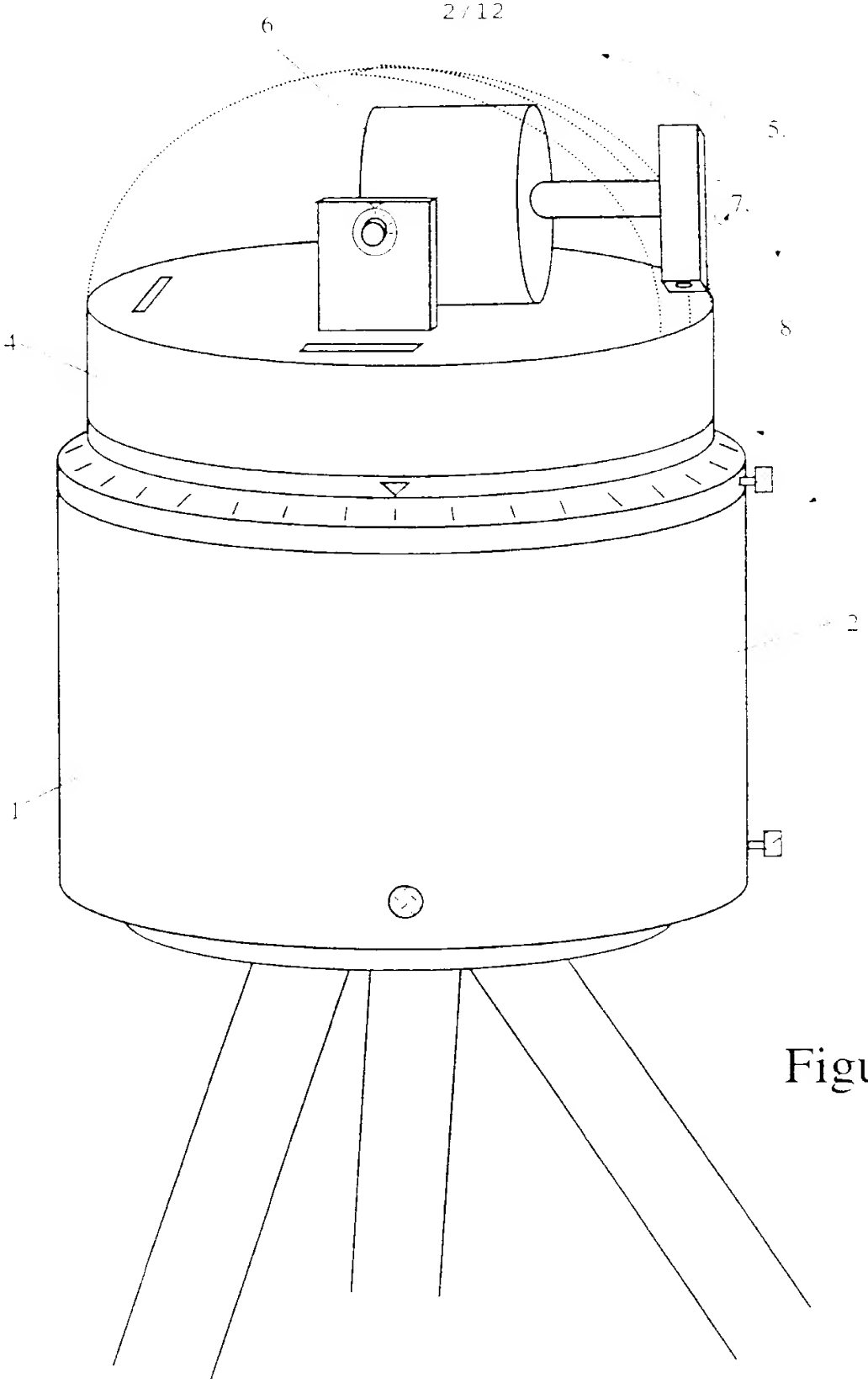


Figure 1



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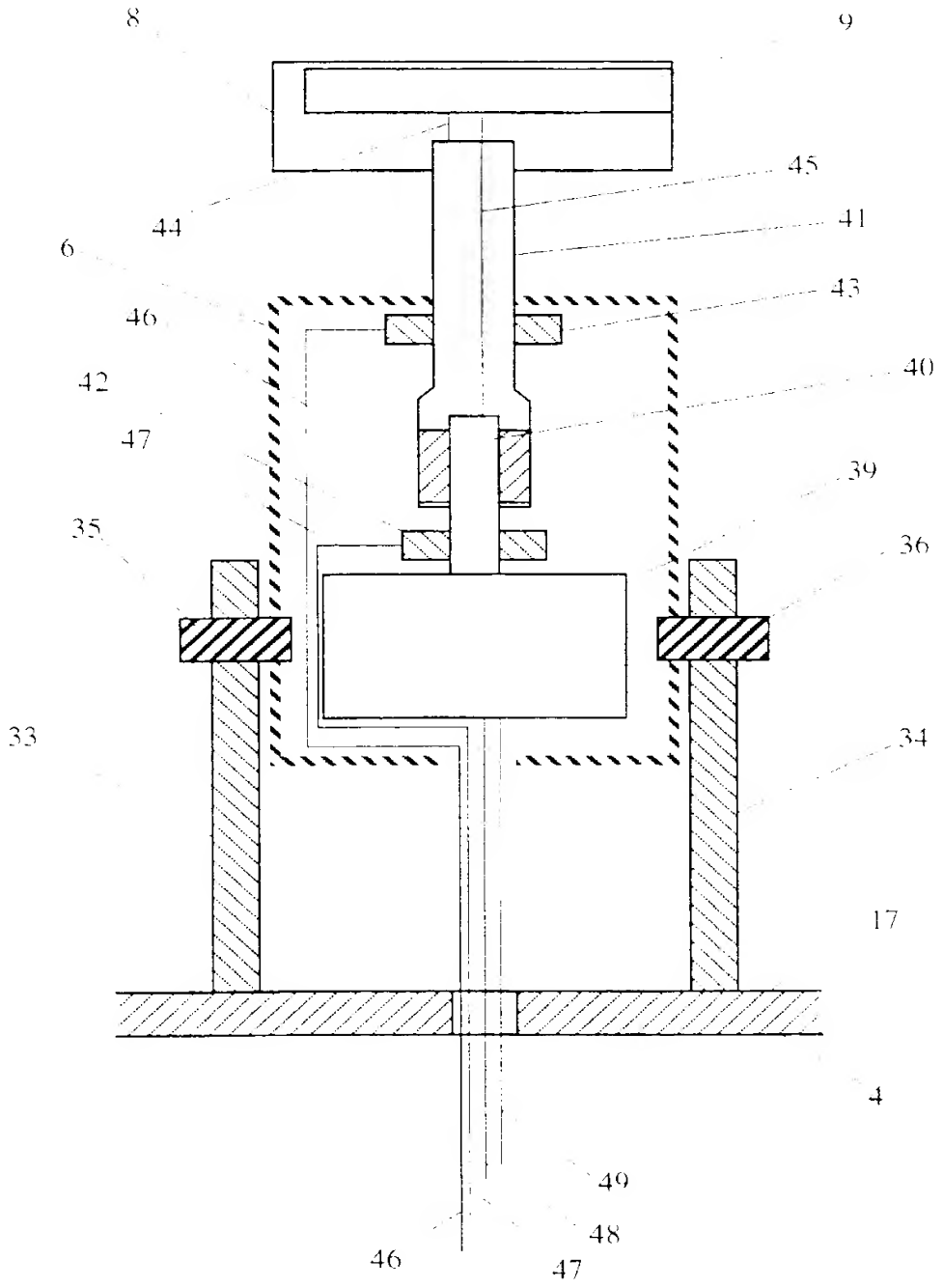

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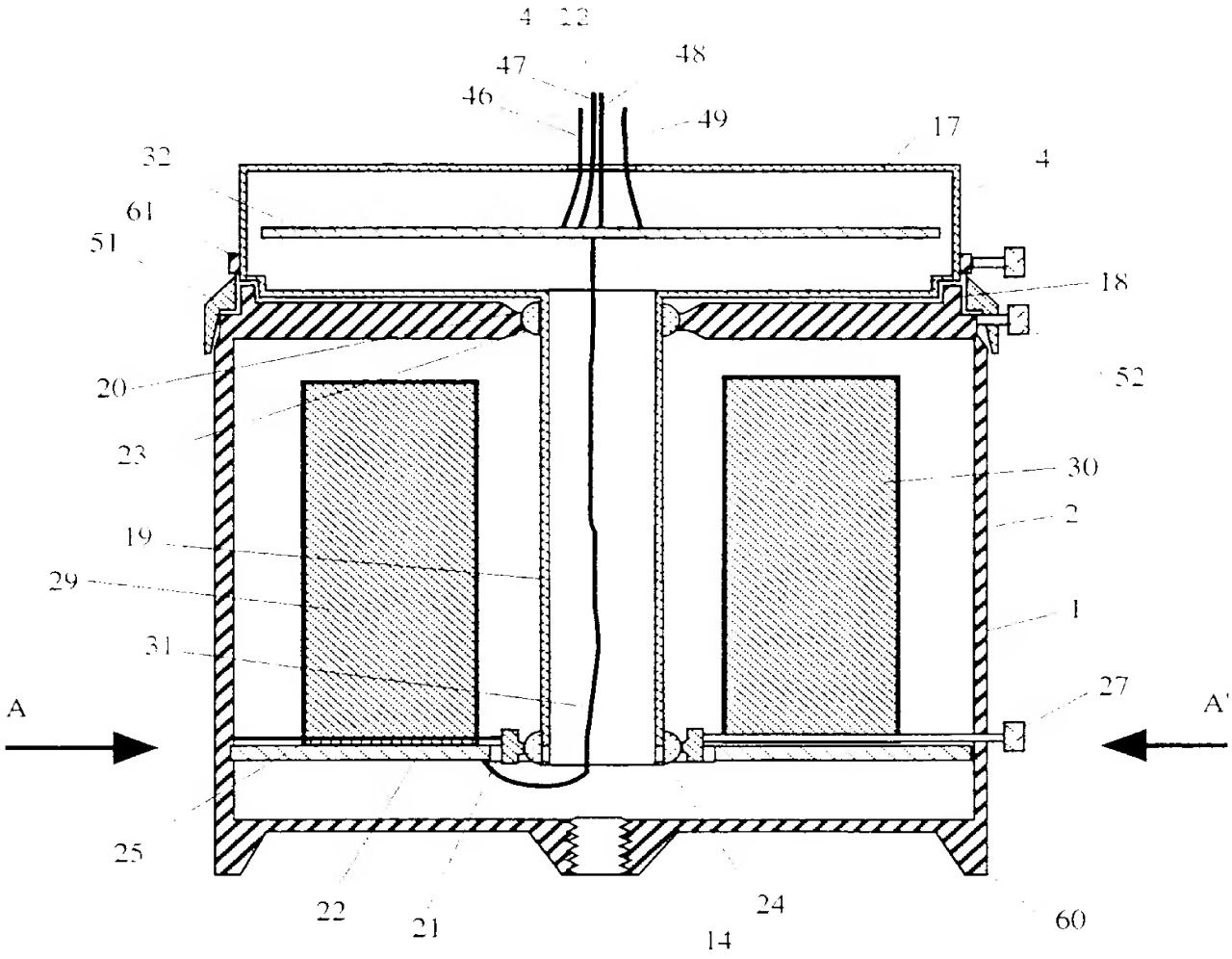
4
23
47
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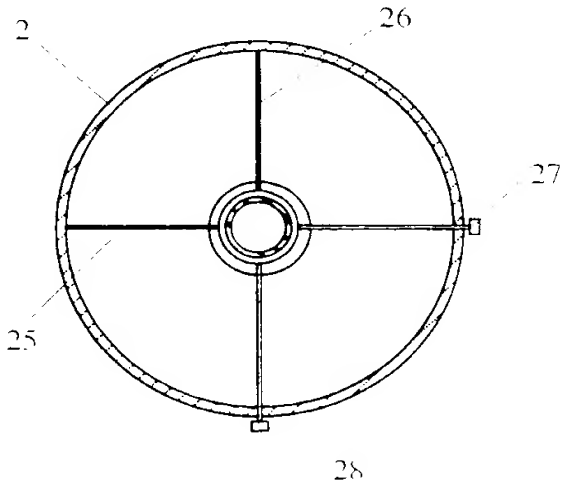
46
49
17
4
32
61
51
18
20
52
23
30
19
2
29
1
31
27
A
A'
25
22
21
24
14
60

(a)

Figure 4


2
26
27
25
28

(b)

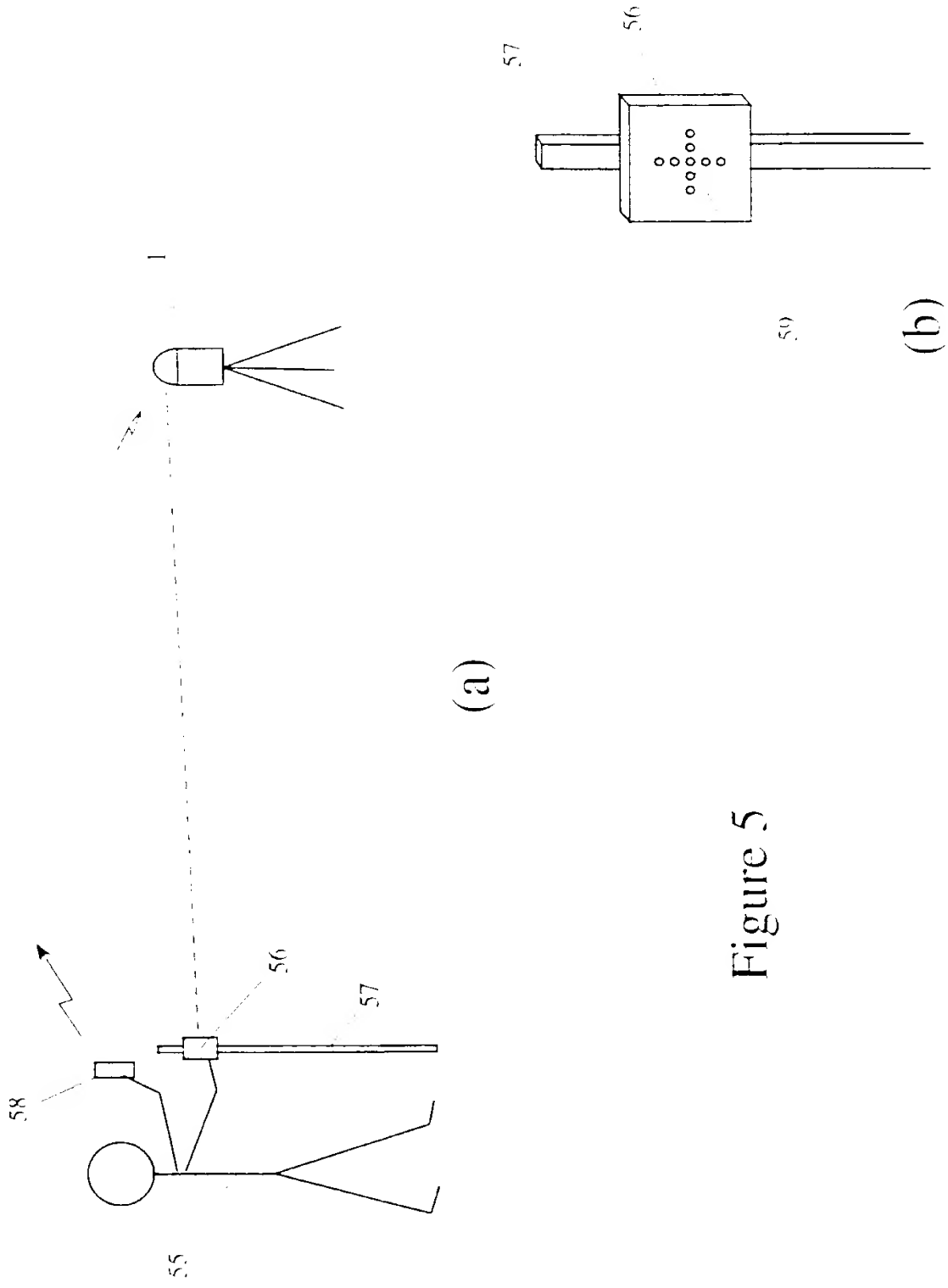
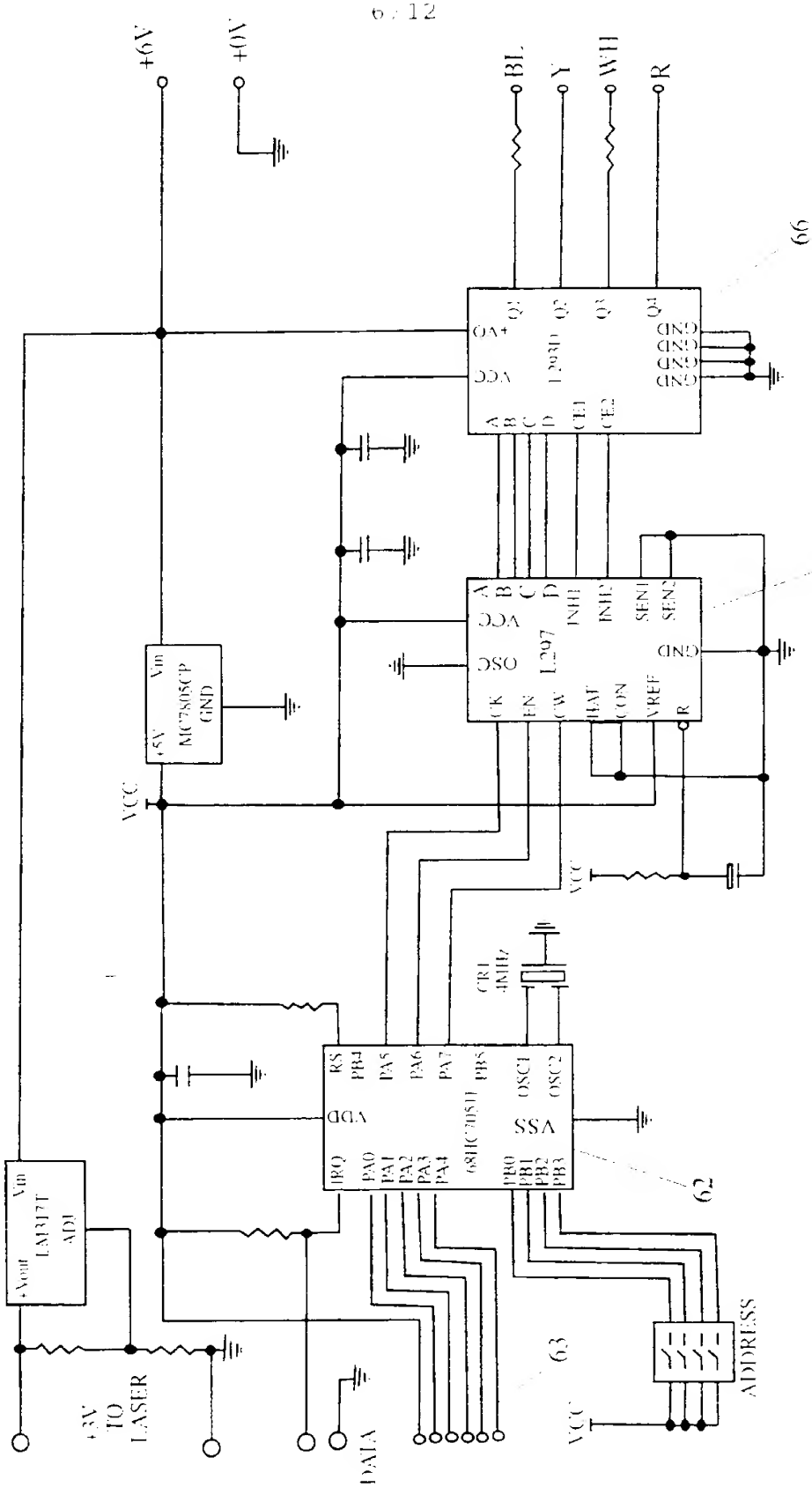


Figure 5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+0V
BL
Y
WH
R
66
65
62
63
64
VCC
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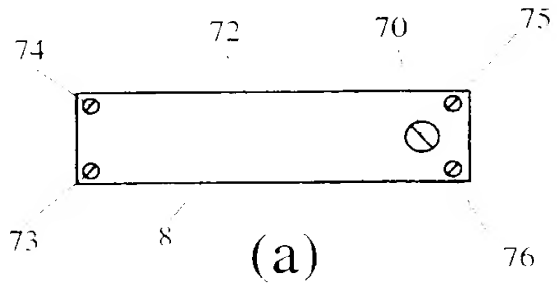
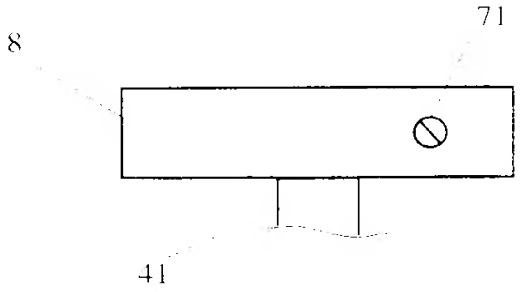
L297
L2931
68HC705J1
CR1
4MHz
LM317T
ADJ
+3V
TO
LASER
DATA
ADDRESS

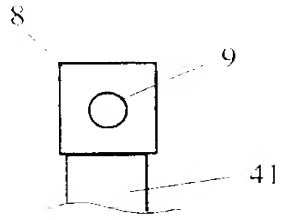
Figure 6



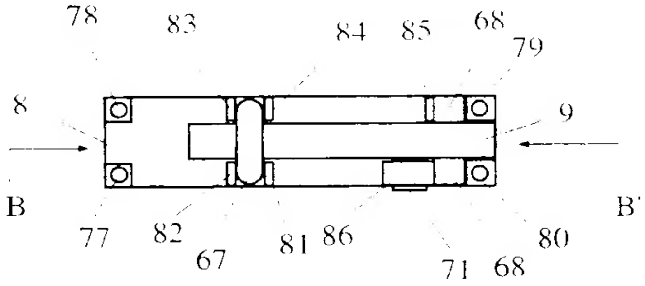
(a)



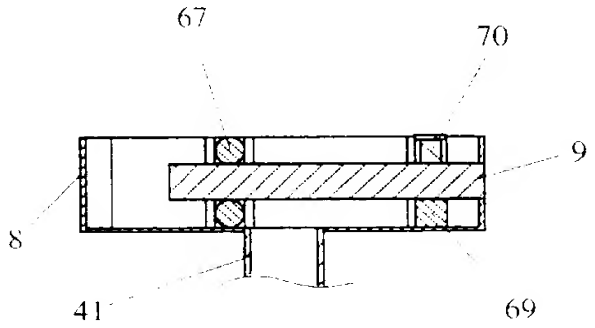
(b)



(c)

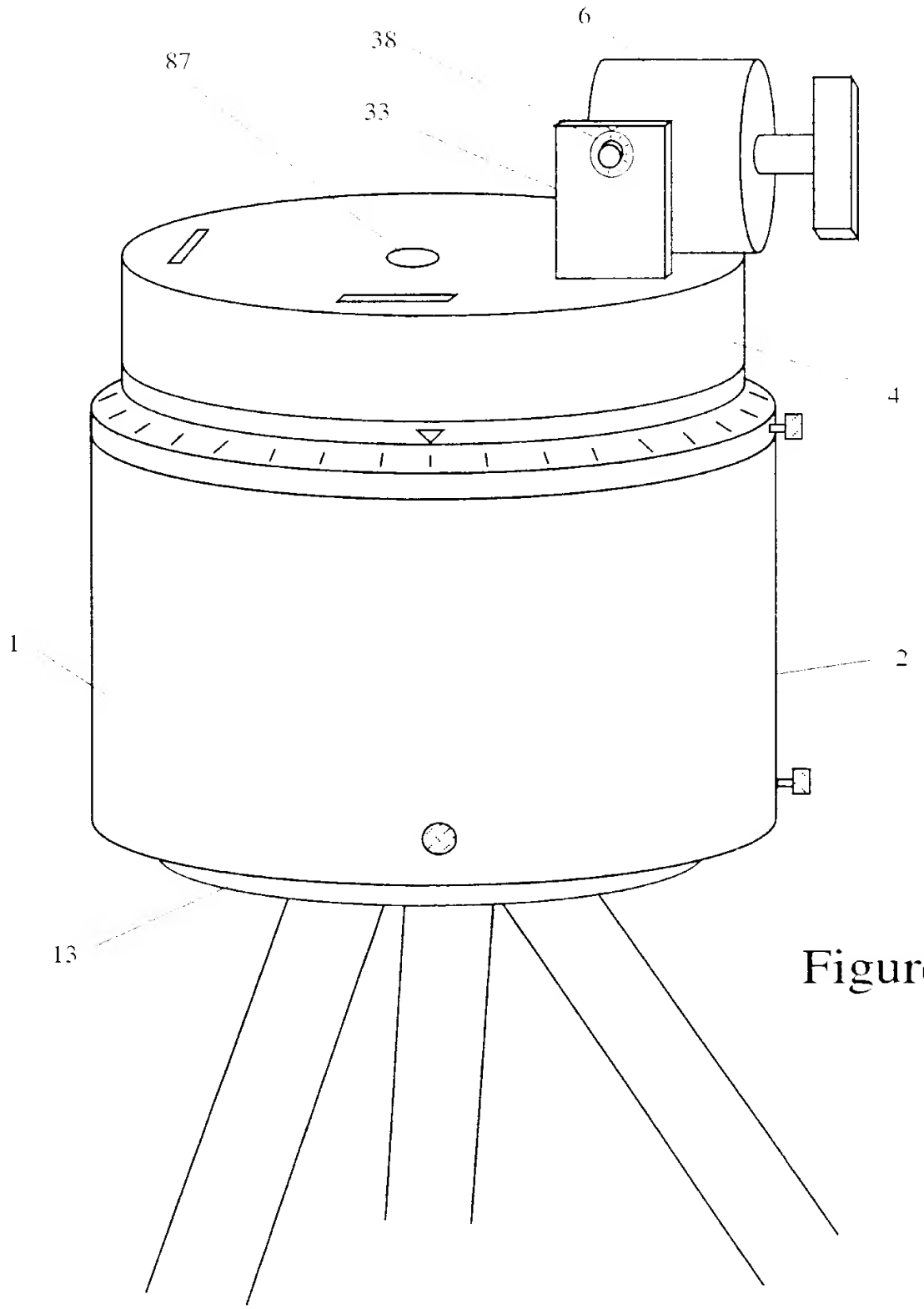


(d)



(e)

Figure 7



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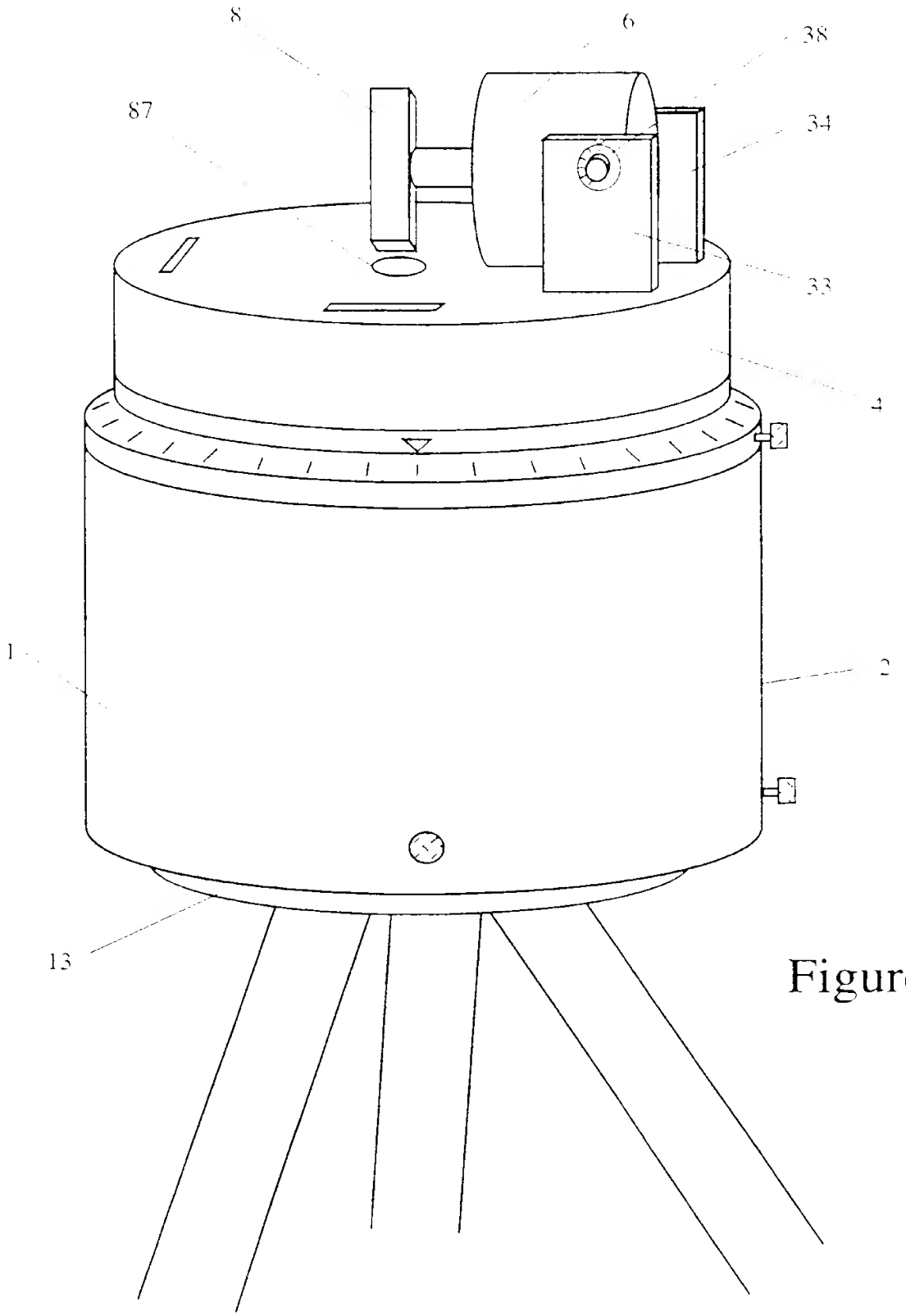

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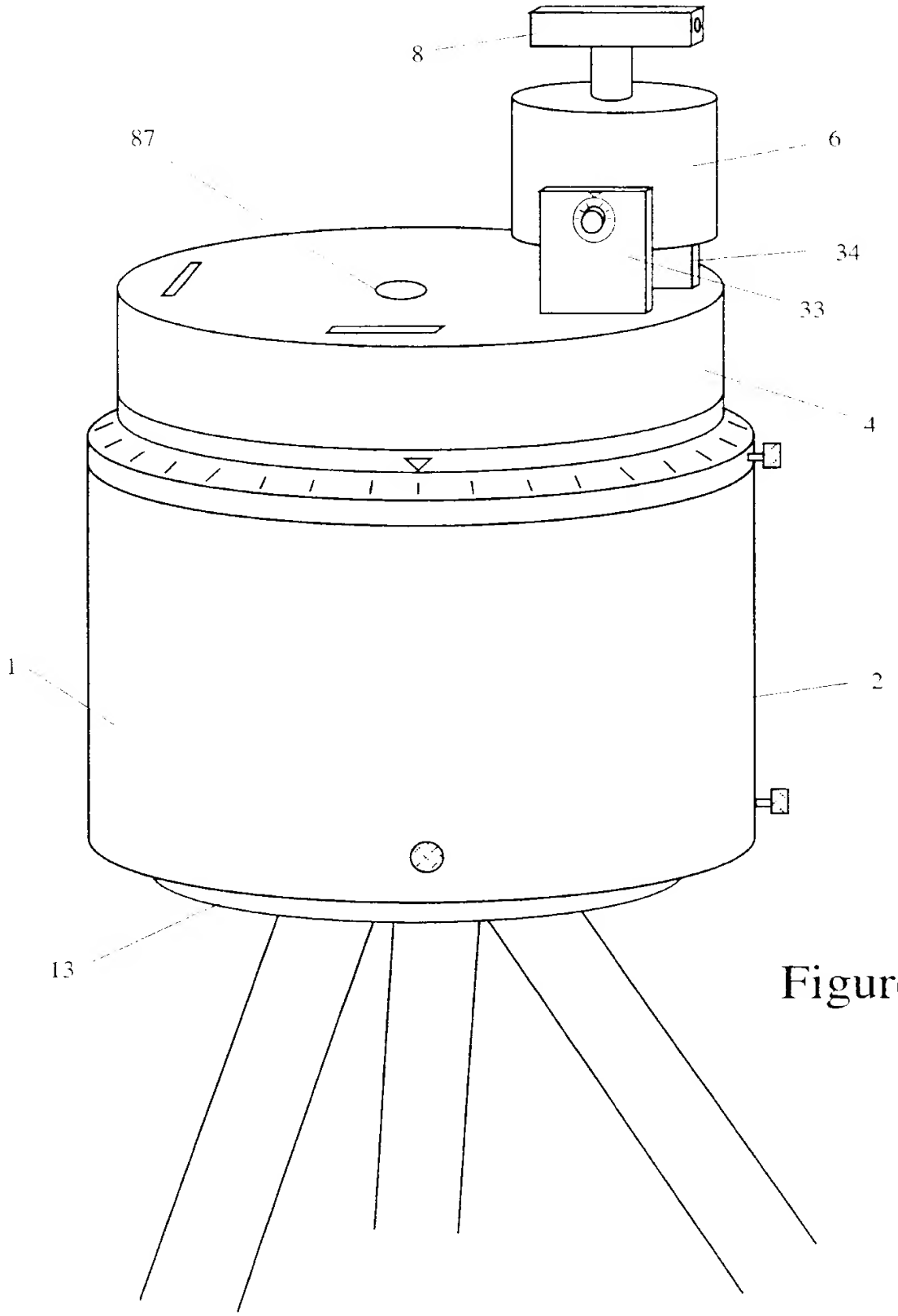

Figure 10

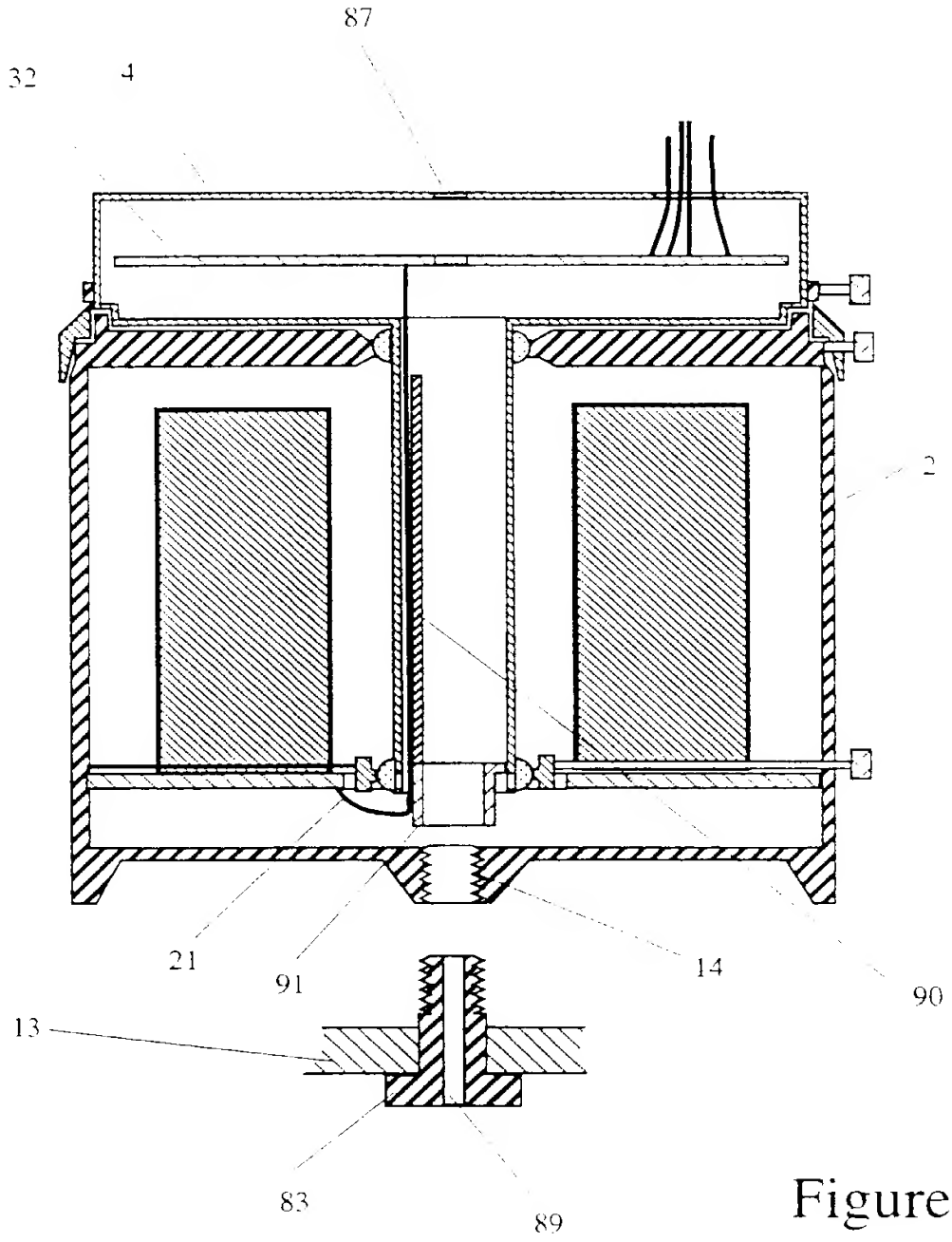

Figure 11

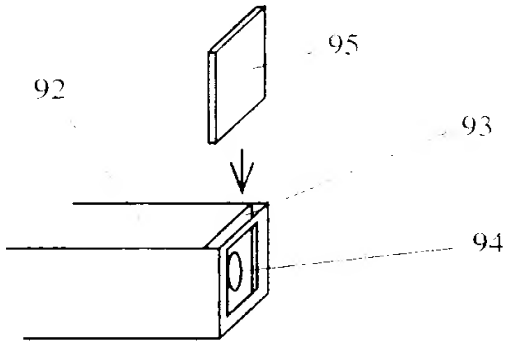

Figure 12

Figure 13

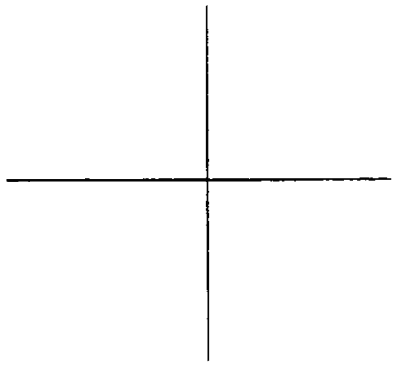

Figure 14